

Revised: December 9, 2022

PRODUCT INFORMATION

PRODUCT DESCRIPTION

RESUFLOOR 3520 Epoxy Terrazzo Matrix is the binder resin for Resufloor Terrazzo TG System, the most widely used thin-set terrazzo. Resufloor 3520's advanced formulation allows for the use of highly decorative brass strips and accents without the concern of discoloration. Resufloor 3520 Epoxy Terrazzo Matrix is a high solids binder resin. In addition, it possesses high physical strength, resistance to wear and chemical and stain resistance.

ADVANTAGES

- Distinctive appearance with unlimited design possibilities
- Rapid cure for faster project turnaround
- Chemical and high traffic wear resistance
- Acceptable for use in USDA inspected facilities

TYPICAL USES

RESUFLOOR 3520 Epoxy Terrazzo Matrix is the binder resin in the Resufloor Terrazzo TG System. Because of its high strength, it can be placed in relatively thin cross sections (1/4" to 3/8"), making the Resufloor Terrazzo TG System well suited for both new construction and renovation projects. Resufloor 3520 Epoxy Terrazzo Matrix is solventless and can be placed within occupied facilities with minimal disruption. Its epoxy-based formula insures rapid project turnaround.

LIMITATIONS

- Slab on grade requires vapor/moisture barrier
- During installation and initial cure cycle substrate and ambient air temperature must be at a minimum of 50°F (10°C). Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact your Sherwin-Williams representative).
- When required, adequate ventilation shall be provided and proper clothing and respirators worn
- All foodstuffs must be removed from the work area and areas subject to fumes during the installation and initial cure
- Extinguish all sources of ignition during the entire installation cycle
- Strictly adhere to published coverage rates

SURFACE PREPARATION

Proper inspection and preparation of the substrate to receive resinous material is critical. Read and follow the "Instructions for Concrete Surface Preparation" (Form G-1) for complete details.

PRODUCT CHARACTERISTICS

Color:	Standard Colors Computerized custom color matching available upon request Tintable: A03 (neutral base) and A59 (white)
Mix Ratio:	4:1
Volume Solids:	97% ± 2%, mixed
Weight Solids:	98% ± 2%, mixed
VOC (EPA Method 24):	<50 g/L mixed ; 0.41 lb/gal

Pot Life:	gallon mass	40 minutes	@ 73°F (23°C)
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Shelf Life:	Part A: 36 months, unopened Part B: 36 months, unopened Store indoors at 50°F (10°C) to 90°F (32°C)
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Flash Point:	268°F (131°C), ASTM D 93, mixed
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PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1,000 cycles	100 mg loss
Adhesion	ACI 503R	300 psi concrete failure
Compressive Strength	ASTM D 695	10,000 psi (68.9 MPa)
Critical Radiant Flux	ASTM E 648	0.90
Flammability		Self-extinguishing over concrete
Flexural	ASTM D 638	4,500 psi (31.0 MPa)
Flexural Modulus	ASTM D 638	500,000 psi (3445 MPa)
Hardness, Shore D	ASTM D 2240	85/65
Indentation	MIL-D-3134J	Withstands 2,000 lbs./sq./in. for 30minutes without indentation
Resistance to Elevated Temperature	MIL-D-3134J	No slip or flow at required temperature of 158°F (70°C)
Tensile Strength	ASTM D 638	3,000 psi (20.7 MPa)
Water Absorption	ASTM D 570	0.1%

**PART A
PART B****GP3520
GP3520B01****SERIES
HARDENER**

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PRODUCT INFORMATION**APPLICATION****APPLICATION INSTRUCTIONS (refer to Resuflor Terrazzo TG System for complete instructions):**

1. Premix 3520A (resin) using a low speed drill and Jiffy blade for one minute and until uniform, exercising caution not to whip air into the material.
2. Add 4 parts 3520A (4 gallons resin) to 1 part 3520B (1 gallon hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Add 150 lbs. selected aggregate blend or other approved aggregates and 25 lbs. of 5270 Epoxy Filler per 5 gallons of mixed 3520A resin. Continue mixing until all aggregates are wet out.
3. Immediately pour the mixed material onto the substrate and hand or power trowel in place.
4. Allow material to cure 18-24 hours minimum.

ORDERING INFORMATION

Packaging:	
Part A:	1 gallon (3.8L) and 4 gallon (15.1L) containers 50 gallon (189.3L)
Part B:	1 quart (1.0L) and 1 gallon (3.8L) containers 5 gallon (18.9L) 50 gallon (189.3L)
Weight:	10.6 ± 0.2 lb/gal; 1.27 Kg/L mixed, may vary by color

TINTING

Can be tinted with GIS colorants.

CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

SAFETY

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact your Sherwin-Williams representative.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

WARRANTY

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